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PENDING CLAIMS SUBJECT TO EXAMINATION

- 1. A method of modulating transcription in a cotton plant, the method comprising introducing into the cotton plant a recombinant expression cassette comprising a promoter sequence operably linked to a heterologous polynucleotide sequence encoding a cotton MYB polypeptide, wherein the polynucleotide comprises a sequence at least 80% identical to SEQ ID NO:1.
- 3. The method of claim 1, wherein the polynucleotide is as shown in SEQ ID NO:1.
- 5. The method of claim 1, wherein the polynucleotide encodes a MYB polypeptide as shown in SEQ ID NO: 2
- 8. The method of claim 1, wherein the promoter directs expression of the polynucleotide sequence in cotton fibers.
- 9. The method of claim 1, wherein the modulation of transcription results in alteration of root hairs.
- 10. The method of claim 9, wherein the promoter sequence directs expression in roots.
- 11. A recombinant expression cassette comprising a promoter sequence operably linked to a heterologous polynucleotide sequence encoding a cotton MYB polypeptide, wherein the polynucleotide comprises a sequence at least 80% identical to SEQ ID NO:1.

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- 13. The expression cassette of claim 11, wherein the polynucleotide is as shown in SEQ ID NO:1.
- 15. The expression cassette of claim 11, wherein the polynucleotide encodes a MYB polypeptide as shown in SEQ ID NO: 2.
- 17. The expression cassette of claim 11, wherein the promoter directs expression of the polynucleotide sequence in cotton fibers.
- 18. The expression cassette of claim 11, wherein the promoter sequence directs expression in roots.
 - 19. A cotton plant comprising the expression cassette of claim 11.

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